PTO/SB/05 (06-03) OApproved for use through 07/31/2003. OMB 0651-0032 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

## UTILITY PATENT APPLICATION

Attorney Docket No.	13590US02	
First Inventor	Issa	
Title	COMPACT AND HIGHLY EFFICIENT DRAM CELL	
Express Mail Label No.	EL 848970730 LIS	

PAI	ENI APPLICA			COMPACT AND LUCIUM					
•	TRANSMITTA	Title		COMPACT AND HIGHLY EFFICIENT DRAM CELL					
(Only for new nor	nprovisional applications un	Express Mail	Label No.	EL 848970730 US					
AF See MPEP chapter	ADDRESS	TO:	Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450						
1. Fee Tran	7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)								
'' ' ' ' ' '	nt claims small entity stat CFR 1.27.	Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)							
	arrangement set forth below)	a. Computer Readable Form (CRF)							
-Cross Re	ve title of the invention eference to Related Applicated nt Regarding Fed sponsored		b. Specification Sequence Listing on:						
-Reference	to sequence listing, a tab listing appendix		i.	_	OM or CD-	R (2 copies); or			
-Brief Des	und of the Invention scription of the Drawings (if	filed)	ii. Paper						
-Detailed -Claim(s)	Description					entity of above copies			
	of the Disclosure		ACC	OMPAN	ING API	PLICATION PARTS			
			9. 🗌 A	ssignment	Papers (co	over sheet & documents(s))			
4. Drawing	(s) (35 U.S.C. 113)	[Total Sheets 6]		7 CFR 3.73 when there	` '	2_3 : 0::0: 0:			
5. Oath or Declara	11.	nglish Tran	slation Do	cument (if applicable)					
a. Newly e		nformation I tatement (I		Copies of IDS Citations					
b. 🛛 Copy fro		reliminary	-						
	tinuation/divisional with		Datum Dansint Dantoned (MDCD 500)						
			_ (	14. Setum Receipt Postcard (MPEP 503) (Should be specifically itemized)					
	LETION OF INVENTOR		15. Certified Copy of Priority Document(s) (if foreign priority is claimed)						
Sig	gned statement attached med in the prior applicat	I deleting inventor(s)	N	lonpublicati	on Reques	st under 35 U.S.C. 122(b)			
	63(d)(2) and 1.33(b).	ion, see or or it	16. (2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.						
6 Applicati	on Data Sheet. See 37	CFR 1.76	17. Other:						
18. If a CONTINUI	NG APPLICATION, che	ck appropriate box. and	supply the rec	guisite infor	mation bei	low and in the first sentence of			
18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:  Continuation Divisional Continuation-in-part (CIP) of prior application No.: 10/128,328									
Prior application inf	formation:	Examiner: H. Hoang	Art U	Jnit: 2818					
For CONTINUATION C	OR DIVISIONAL APPS only:	The entire disclosure of the	e prior application	n, from whic	is hereby in	declaration is supplied under Box corporated by reference. The			
meorporation <u>earr orn</u>	g se tened apon what a per	19. CORRESPONI			<b>арр</b> оао	Period			
Customer Num	nber: 2344			OR _	Correspo	ondence address below			
Name		· · · · · · · · · · · · · · · · · · ·							
Address									
City		State			Zip Code				
Country		Telephone			Fax				
Name (Print/type)	Kevin E. Borg	Registrat	ion No. (Attorne	y/Agent)	51,486				
Signature	100	-8-3				September 9, 2003			



PTO/SB/17 (11-00)

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## Compl te if Known **FEE TRANSMITTAL Application Number** unassigned herewith Filing Date for FY 2003 First Named Inventor Issa **Examiner Name** unassigned Patent Fees are subject to annual revision. Group Art Unit unassigned Attorney Docket No. 13590US02 TOTAL AMOUNT OF PAYMENT (\$)768.00

					FEE CALCULATION (continued)							
METHOD OF PAYMENT					<u> </u>	FEE CALCULATION (continued)						
1.   The Commissioner is hereby authorized to charge indicated fees and			3. ADDITIONAL FEES									
credit any overpayments to:			Large		Smal	II						
D					٦.		Entity		Entity			
Deposit Account			13-0017			Fee	Fee	Fee	Fee		Fee	
Number			10 0017		_i	Code	(\$)	Code	(\$)	Fee Description	Paid	
Deposit		- ^ -	drews Held & N	Adllov		1051	130	2051	65	Surcharge - late filing fee or oath		
Account	IV	CAH	urews new & r	viality		1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet		
Name Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17		1				Silect						
Applicant claims small entity status.		1053	130	1053	130	Non-English specification						
	7 CFR 1.2											
2. ⊠ Paymer	nt Enclos	ed:				1812	2,520		2,520	For filing a request for ex parte reexamination		
☑ Check	☐ Cred	dit Ca	rd Money Order	Other		1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action		
	F	EE	CALCULATI	ON		1805	1,840	1805	1,840*	Requesting publication of SIR after Examiner action		
1. BASIC FIL	ING FEE					l						
Large Entity	y Small E					1251	110	2251	55	Extension for reply within first month		
Fee Fee		Fee	Fee Description		Fee Pald	1252	410	2252	205	Extension for reply within second month		
Code (\$)	Code					1253	930	2253	465	Extension for reply within third month		
1001 750	2001	375	Utility filing Fee		750.00	1254	1,450		725	Extension for reply within fourth month		
1002 330	2002	165	Design filing Fee			1255	1,970		985	Extension for reply within fifth month		
1003 520	2003	260	Plant filing fee			1401	320	2401	160	Notice of Appeal		
1004 750	2004	375	Reissue filing fee			1402	320	2402	160	Filing a brief in support of an appeal		
1005 160		80	Provisional filing f	ee.		1403	280	2403	140	Request for oral hearing		
1005 160	2003	00	r Tovisional Illing i	CC	ш	1451	1,510		1510 55	Petition to institute a public use proceeding Petition to revive - unavoidable		
				CUSTOTAL	(4) ( <del>4)</del> 750 00	1452 1453	110	2452 2453	55 650	Petition to revive - unintentional		
SUBTOTAL (1) (\$)750.00			1501	1,300		650	Utility issue fee (or reissue)					
2. EXTRA CL	AIM FEES	;				1501	470	2502	235	Design issue fee		
				Fee from		1502	610	2502	315	Plant issue fee		
			Extra Claims	below	Fee Pald	1460	130	1460	130	Petitions to the Commissioner		
Total Claims	24 - 2	3** =	11 x	18.00 =	18.00	1807	50	1807	50	Processing fee under 37 CFR 1.17(q)		
Independent						1806	180	1806	180	Submission of Information Disclosure Strnt		
Claims	2 - 3**	=	<b>⊙</b> ×	84.00 = =	0.00	8021	40	8021	40	Recording each patent assignment per property (times number of properties)		
Multiple Deper	INCIII				2.22	1809	750	2809	375	Filing a submission after final rejection (37 CFR § 1.129(a))		
Large Entit						1810	750	2810	375	For each additional invention to be examined (37 CFR 1.129(b))		
Fee Fee		Fee	Fee Description			1801	750	2801	375	Request for Continued Examination (RCE)		
Code (\$)	Code					1802	900	1802	900	Request for expedited examination of a design		
1202 18		9	Claims in excess							application		
1201 84	2201	42	Independent clair			Other	fee (sp	ecify)			L	
1203 28	0 2203	140	Multiple depende	nt claim, if not	paid	<b></b>						
1204 84	2204	42	**Reissue indepe over original pa							1		
1205 18	2205	9	**Reissue claims and over origin		0							
SUBTOTAL (2) (\$)18.00			1					1				
**or number previously paid, if greater; For Reissues, see above				*Redu	iced by	Basic Fi	ling Fee	Paid SUBTOTAL (3) (\$	)0.00			

SUBMITTED BY Complete (if applicable)								
Name (Print/Type) Kevin E. Borg		Registration No. (Attorney or Agent)	51,486	Telephone	312 775 8000			
Signature	<u> </u>			Date	September 9, 2003			